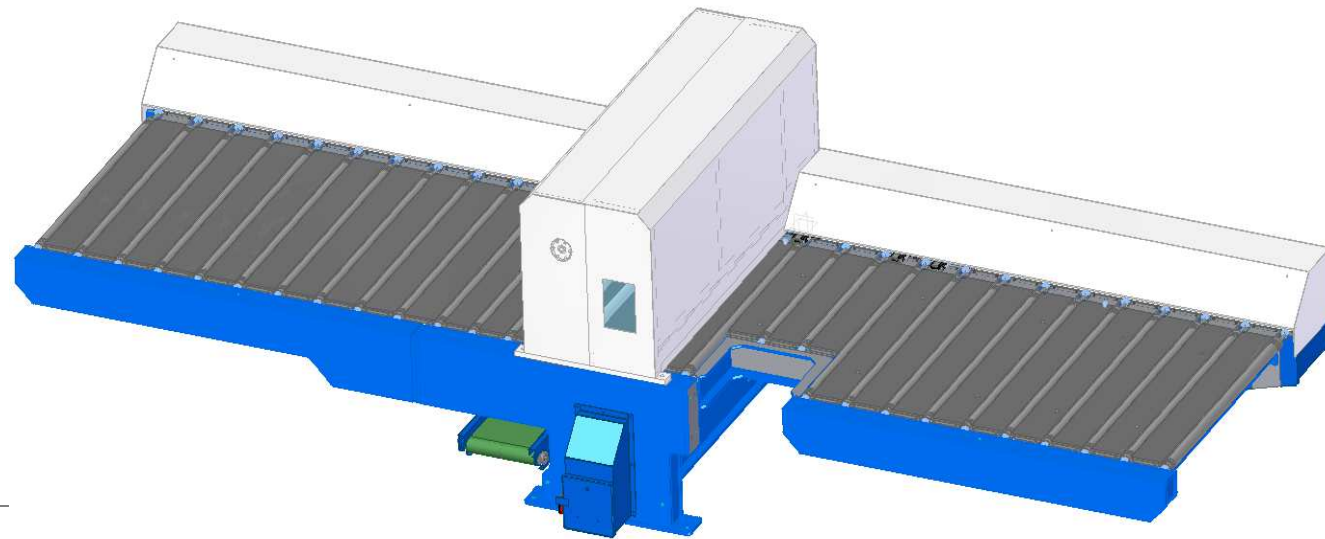


Boschert FiberLaser



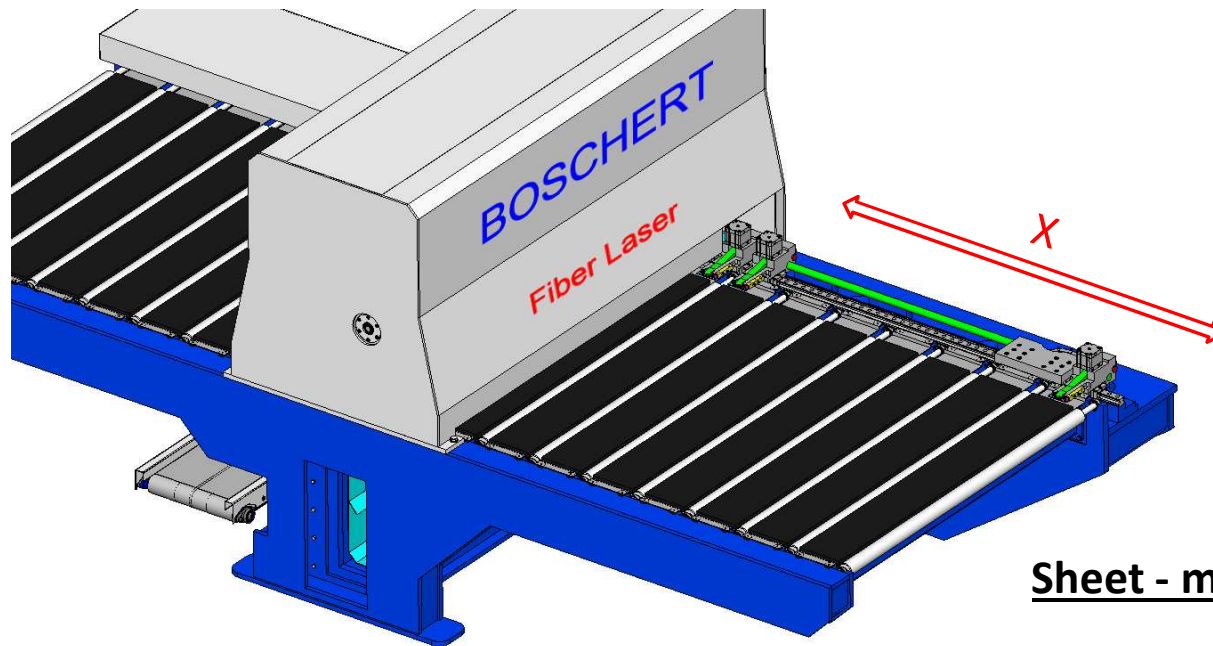
BOSCHERT GMBH

Content



- Function/Construction
- Advantage
- Technical data
- Price

Mode of operation



Sheet - movement

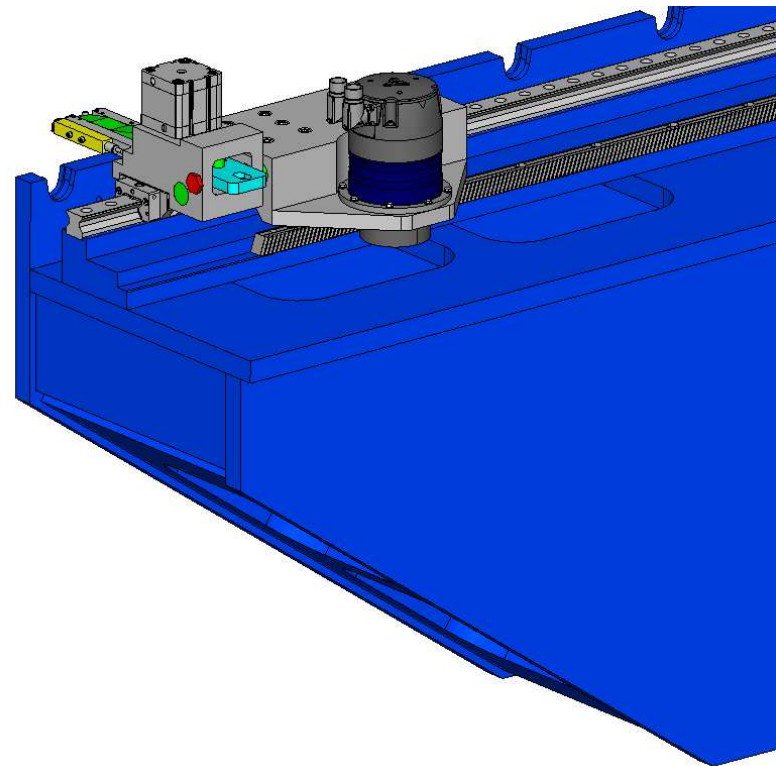
- Sheet support on roller table
- Sheet clamping with clamps
- Movement only in X direction

Mode of operation



X-Axis

- Gear motor with rack and pinion drive
- Guided through roller guide
- Different amount of clamps possible (max. 4)

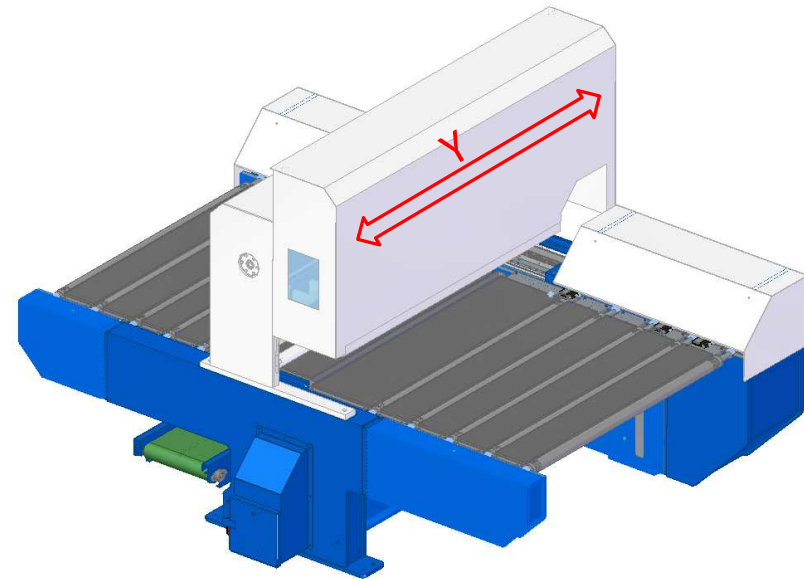


Mode of operation



Y-Axis

- Laser head moves in Y direction
- Servo motor & ball screw
- Change of Laser nozzle due to opening of machine cover
- Process control trough opening in cover secured with laser security glass

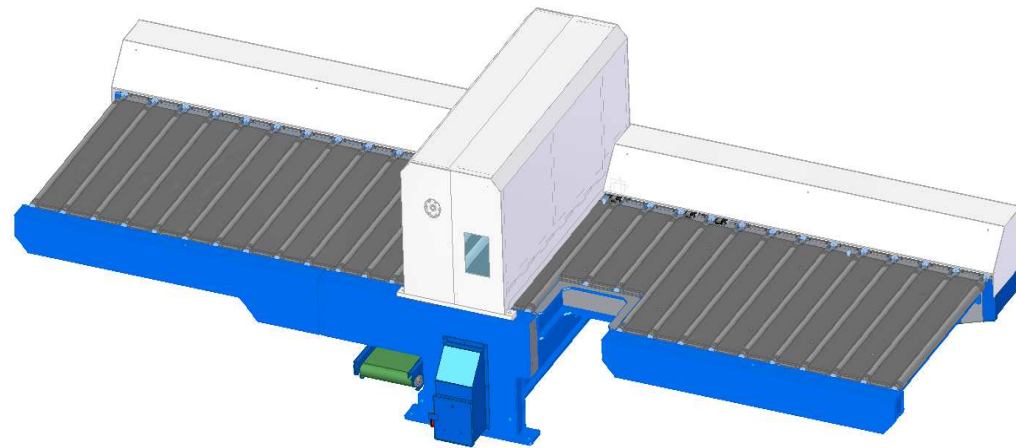


Mode of operation



Positioning of the sheet

- Easy positioning of the sheets 1500 x 3000 / 2000 x 4000 due to sheet lifting balls coming out of the table
- Possibility of clamping oddments sheets with a length of min. 280 mm
- Easy positioning of smaller sheets due to a opening in the table

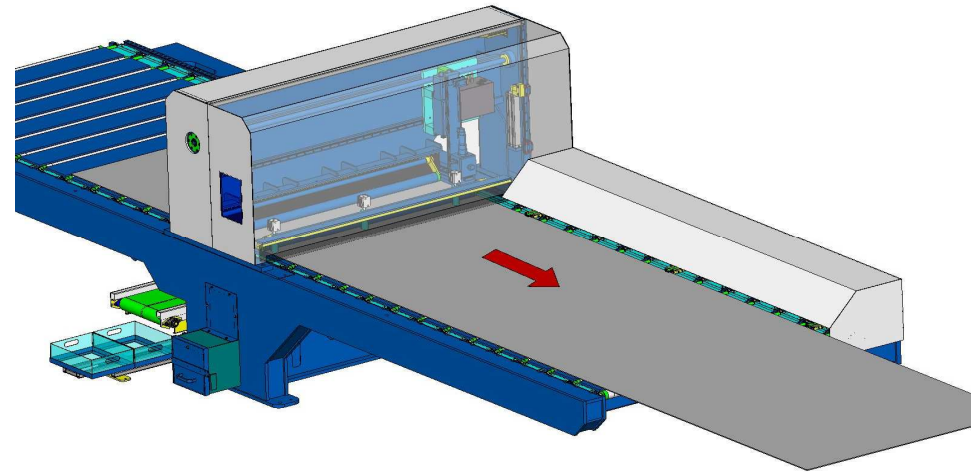


Mode of operation



Length of machine / Repositioning

- New frame versions allows to prolonged the table in X-direction in steps of 1000 mm
- The sheet is automatically clamped pneumatically on the table this allows a repositioning of the work piece
- If necessary the machine can be prolonged in X-direction with side tables



Mode of operation



Machine length regarding model

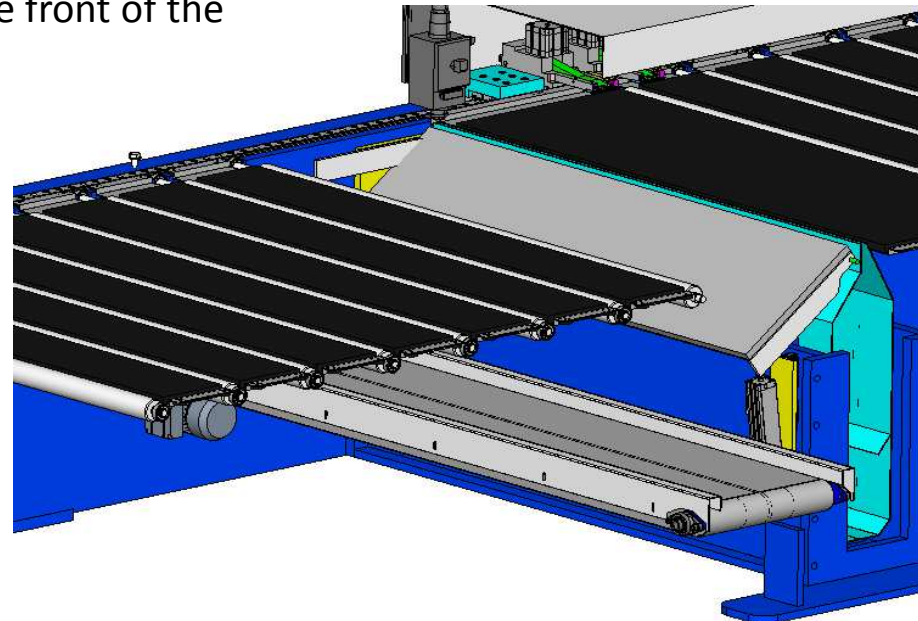
Model (X/Y)	Sheet Size (mm) (no repositioning)	Travelling X (mm)	Travelling Y (mm)	Length of machine (approx. mm)
1015	1000 x 1500	2000	1500	3000
2015	2000 x 1500	3000	1500	5000
3015	3000 x 1500	4000	1500	7000
2020	2000 x 2000	3000	2000	5000
3020	3000 x 2000	4000	2000	7000
4020	4000 x 2000	5000	2000	9000

Mode of operation



Part removal

- Disposal of small parts up to a width of 350 mm
- Transportation of small parts to the front of the machine
- Multiple part removal possible

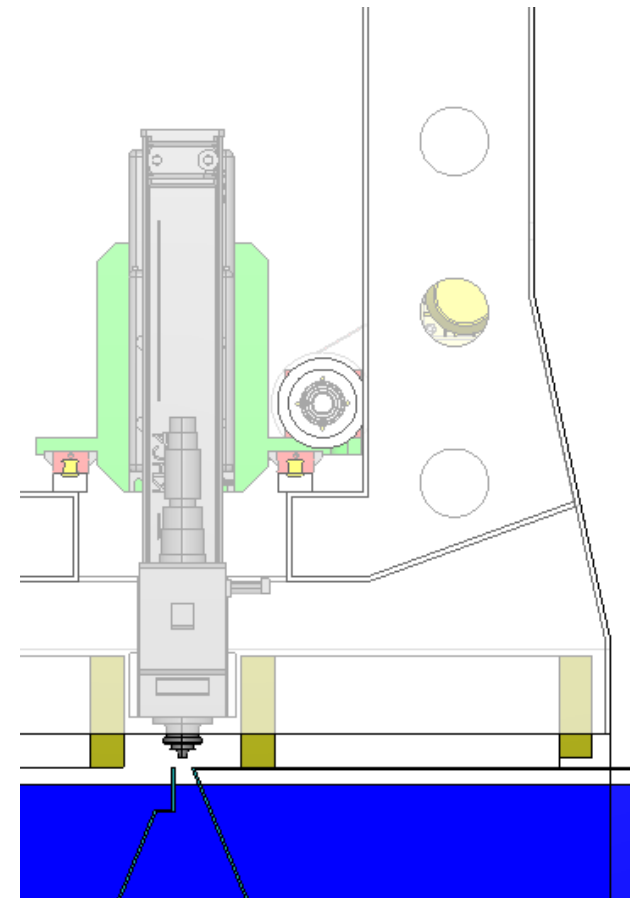
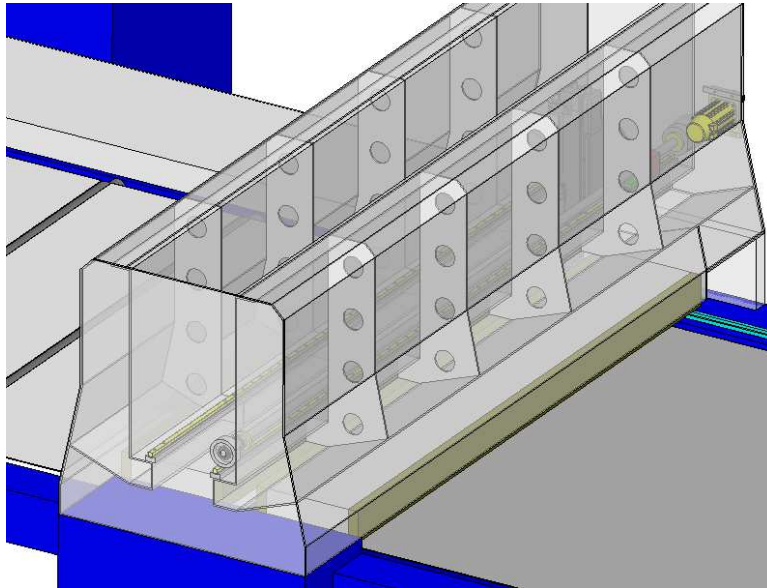


Mode of operation



Laser-Safety

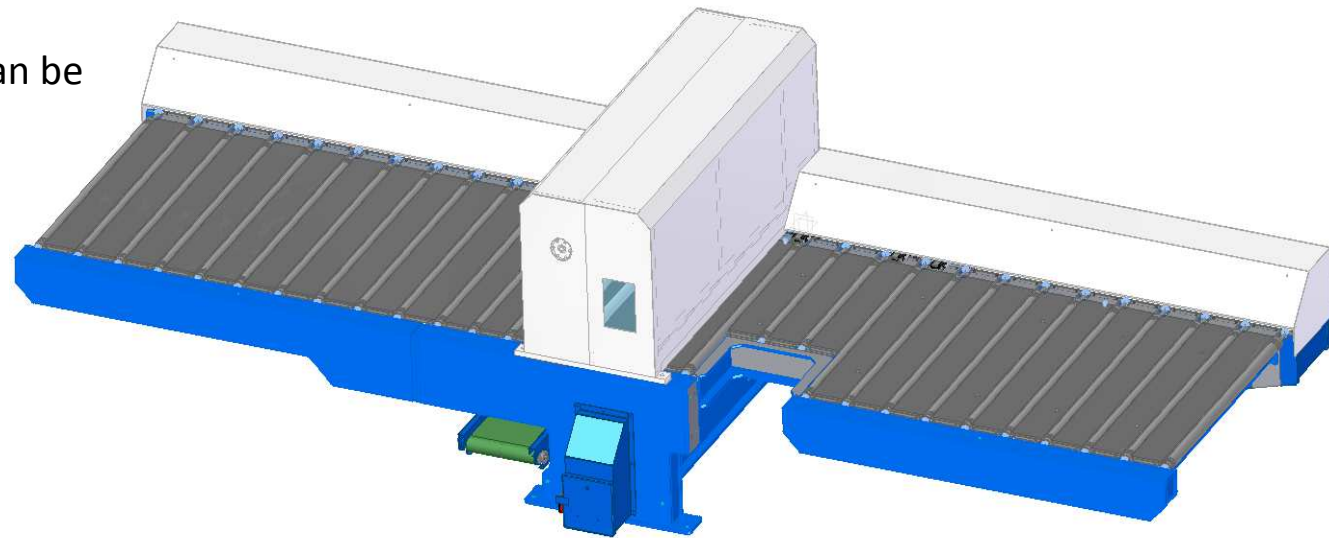
- The safety device within the machine cover prevents that laser rays comes out
- Removable for maintenance and inspection



Advantages



- Automatic part removal for small parts
- Accessibility
- Flexible machine size
- Small sheets can be used
- Repositioning



Technical data

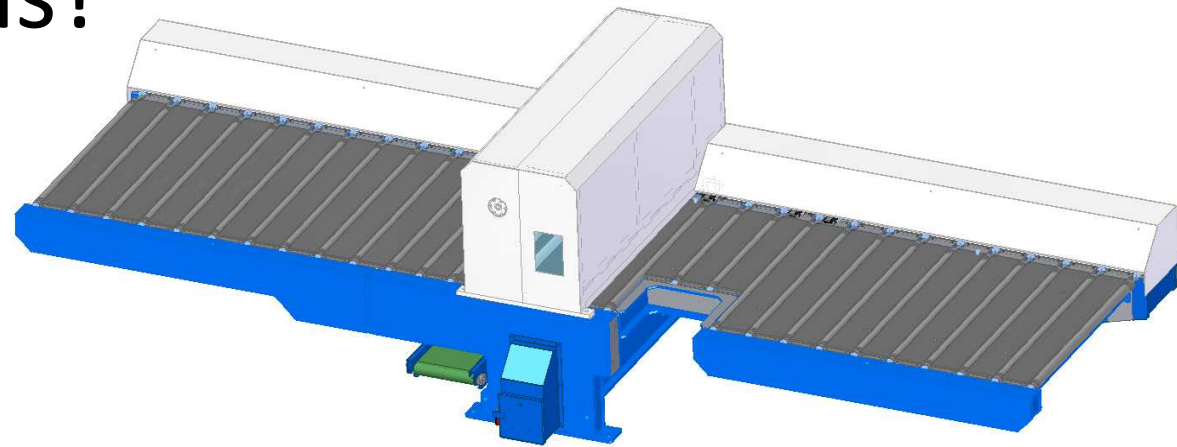


Working area	1500 mm x 3000 mm 2000 mm x 4000 mm		
Max. material thickness	1 kW	2 kW	4 kW
Mild steel	6 mm	10 mm	12 mm
Stainless steel	4 mm	8 mm	8 mm
Aluminium	3 mm	6 mm	6 mm
	Lengths	Widths	Height
Machine size 3015	approx. 7000 mm	2200 mm	2000 mm
Machine size 4020	approx. 9000 mm	2700 mm	2000 mm
Space incl. light barrier 3015	approx. 8600 mm	4200 mm	2000 mm
Space incl. light barrier 4020	approx. 10600 mm	4700 mm	2000 mm
Working height	900 mm		
Machine weight 3015	7000 Kg		
Machine weight 4020	8500 Kg		
Maximum speed	70 m / min		
Working speed	Depending on material		

FiberLaser



Questions?



Thank you for your
attention!

